



enex technologies
cooling and heating naturally

Sustainability Overview

Cooling and Heating Naturally

The origins of refrigeration in the 19th century are grounded in **natural refrigerants** such as ammonia and CO₂.

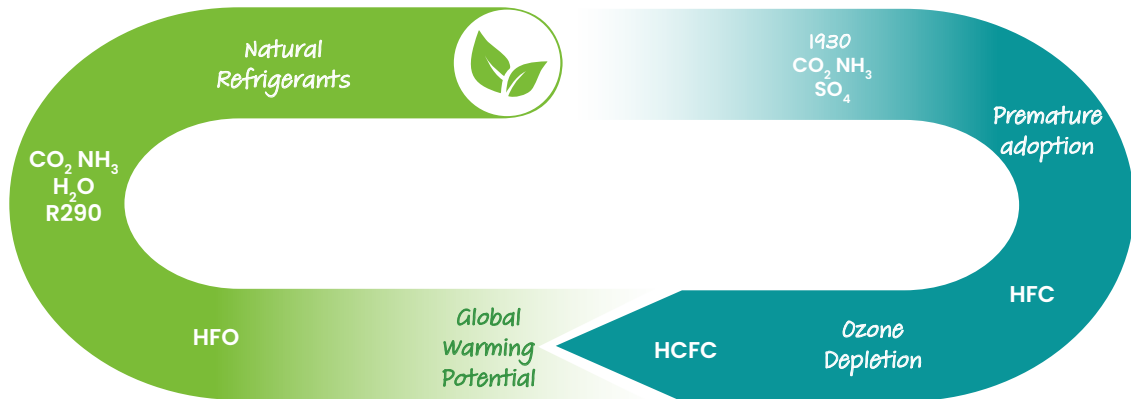
Over time, the pursuit of safety and performance led to **synthetic solutions** (CFCs in the 1930s, HFCs in the 1990s, and lastly HFOs).

Each innovation solved a challenge but created new environmental ones.

Today, the sector has come full circle, thanks to our cutting-edge refrigeration systems that brings **CO₂, ammonia, propane** and **water** back to the center of sustainable refrigeration.

At **Enex Technologies**, innovation is not only about looking ahead, it's about **learning from the past** to create a **sustainable future**.

Sustainability is a continuous cycle: what was natural yesterday has become the smartest choice today, empowered by progress, vision, and technology



Climate-Tech pioneers with
All-Natural Refrigerant
Offering



District cooling



Office building



Shopping mall



Laundry



Hospitality



Healthcare



Swimming pool



District heating

Why Natural Refrigerants

EU buildings are responsible for **40% of energy consumption and 36% of greenhouse gas emissions in Europe** (Eurostat).
Compared to HFC systems, natural refrigerants deliver:

	Refrigerant	GWP		Climate Impact
HFC	R-404A	3922		Extremely high – phased out under EU F-gas
	R-410A	2088		Very high – restricted use from 2025
	R-134a	1430		High – being replaced in many applications
HFO	R-454B	465		Medium/Low
	R-454C	146		Medium/Low
Natural	R-744 (CO ₂)	1		Firstly introduced in Commercial Refrigeration by Enx in 2004
	R-290 (Propane)	0,02		Emicon succesfully adopted it in HVAC since 1984
	R-717 (NH ₃)	0		Enx Industrial (Samifi) pioneered it in 1930s
	R-718 (H ₂ O)	0		Roen Est is leading HX and VU applications since 1983

Having very low or zero global warming potential (GWP) and being free from PFAS (“forever chemicals”) Natural Refrigerants can help limiting Scope 1&2 emissions and reducing the broader environmental damage.



We often hear the phrase “we must save our planet”. The reality is that our planet, which hosts us, will be fine, what is at risk is humanity as a species. Our extinction would not be the first.

– Greg Deldicque,
Founder and Chairman
Enex Technologies



BREAKTHROUGH INNOVATION

Innovation is in the heart of Enex Technologies. We continuously lead the HVAC-R offering towards 100% natural and high efficient solutions. We offer the best natural solutions for every application.



IMPACT

All our actions are focused on powering human development while preserving life on Earth. We are not philosophers, we are doers.



TRUST

Performance never comes at the expense of Teamwork, Ethics, Compliance, Safety and Quality.



LOVE

We demonstrate the will to extend ourselves in order to nurture our growth and the growth of humanity.

Environment

Our environmental strategy is built on three key pillars that guide our ESG action plan. First, we are committed to provide **significant emissions reductions** for our customers by promoting the adoption of natural refrigerants and high-efficiency technologies. Second, we continue to drive product innovation, investing in advanced systems that combine performance and sustainability to accelerate positive impact across the industry.

Finally, we are devoted **to transparency and reduction of our environmental footprint**, strengthening measurement and reporting practices to ensure accountability of our actions.

1.389.248 Mt CO₂ eq
Emissions saved since 2007



238.000 tons of CO₂ equivalent **emission**
saved in 2025

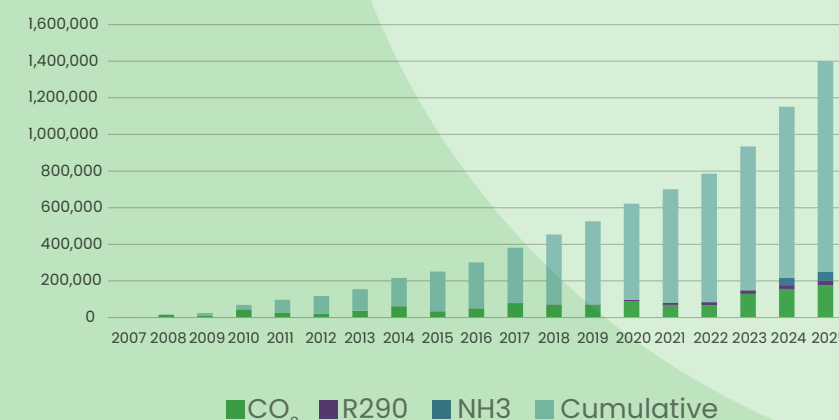
Vitality Index : Up to 18%

1 new product per month

ISO CERTIFICATION 14001 & 14064

2025 GHG Emissions Inventory

Cumulative Emission Saved (MtCO₂ eq.)



Our commitment to the Social dimension is driven by the belief that sustainable progress begins with people.

We foster a culture of continuous improvement, investing in specialized training to enhance the skills, motivation, and professional development of our employees.

At the same time, we extend this approach to our clients, offering dedicated training sessions on our solutions and refrigerants, and technical support to promote responsible and forward-looking growth.

1000+ people
78% of employees covered by **ISO 45001 Certification**
UNI PDR 125:2022 gender equality certification
28% gender ratio
20% Managerial position held by **women**
19 average **training hours** x capita
~ 1.900 hours of **customer training** in the last 2 years



Social

Governance

Our governance approach is founded on strong leadership, ethical conduct, and transparent oversight of ESG performance. Enex Technologies' Senior Leadership team provides Board-level supervision and conducts annually an **ESG risk assessment** to ensure accountable decision-making.

As a member of the UN Global Compact, we uphold its principles on human rights, labor, environment, and anti-corruption, reinforced through our **annual Communication on Progress**. In addition, our emission reduction targets for Scopes 1, 2 and 3 have been approved by the Science Based Targets Initiative (SBTi).

100% of **whistleblowing** cases successfully managed
ISO 9001 Certification on **92%** company sites
2025 **Communication of Progress**
Ecovadis **Silver Medal**
Open-Es 91/100
Synesgy rating **B**
SBTi target approved

